

DCDDDDDDDDDD	EEEEEEEEEEEEEE	LLL	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	EEEEEEEEEEEEEE
DDDDDDDDDDDD	EEEEEEEEEEEEEE	LLL	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	EEEEEEEEEEEEEE
DDDDDDDDDDDD	EEEEEEEEEEEEEE	LLL	EEEEEEEEEEEEEE	TTTTTTTTTTTTTT	EEEEEEEEEEEEEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE
DDD	DDD	LLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE
DDD	DDD	LLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDD	DDD	LLL	EEE	TTT	EEE
DDDDDDDDDDDD	EEEEEEEEEEEEEE	LLLLLLLLLLLLLLLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE
DDDDDDDDDDDD	EEEEEEEEEEEEEE	LLLLLLLLLLLLLLLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE
DDDDDDDDDDDD	EEEEEEEEEEEEEE	LLLLLLLLLLLLLLLL	EEEEEEEEEEEEEE	TTT	EEEEEEEEEEEEEE

```
PPPPPPPP  UU      UU  RRRRRRRR  GGGGGGGG  EEEEEEEEEE
PPPPPPPP  UU      UU  RRRRRRRR  GGGGGGGG  EEEEEEEEEE
PP      PP  UU      UU  RR      RR  GG      GG  EEE
PP      PP  UU      UU  RR      RR  GG      GG  EEE
PP      PP  UU      UU  RR      RR  GG      GG  EEE
PP      PP  UU      UU  RR      RR  GG      GG  EEE
PPPPPPPP  UU      UU  RRRRRRRR  GG      GG  EEEEEEEE
PPPPPPPP  UU      UU  RRRRRRRR  GG      GG  EEEEEEEE
PP      UU      UU  RR      RR  GG      GG  EEE
PP      UU      UU  RR      RR  GG      GG  EEE
PP      UU      UU  RR      RR  GG      GG  EEE
PP      UU      UU  RR      RR  GG      GG  EEE
PP      UU      UU  RR      RR  GG      GG  EEE
PP      UU      UU  RR      RR  GG      GG  EEE
UUUUUUUUUU  RR      RR  GGGGGG  EEEEEEEEEE
UUUUUUUUUU  RR      RR  GGGGGG  EEEEEEEEEE
```

```
....
....
....
....
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```
1 0001 0 MODULE purge ( IDENT = 'V04-000' Purge directory program
2 0002 0 ADDRESSING_MODE(EXTERNAL=GENERAL)
3 0003 0 ) =
4 0004 0
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
26 0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: PURGE Command
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This utility purges a directory, basically removing
37 0037 1 old versions of a specified group of files.
38 0038 1
39 0039 1 ENVIRONMENT:
40 0040 1
41 0041 1 VAX/VMS operating system. unprivileged user mode,
42 0042 1
43 0043 1 AUTHOR: Tim Halvorsen, CREATION DATE: Oct-1979
44 0044 1
45 0045 1 Modified by:
46 0046 1
47 0047 1 V03-007 SHZ0009 Stephen H. Zalewski, 15-Mar-1984
48 0048 1 Modify PURGE algorithm to make sticky searchlists work.
49 0049 1
50 0050 1 V03-006 SHZ0008 Stephen H. Zalewski, 21-Feb-1984
51 0051 1 Add support for sticky searchlists.
52 0052 1
53 0053 1 V03-005 SHZ0007 Stephen H. Zalewski, 27-Dec-1983
54 0054 1 Do defaulting of file name and type in module PURGE_FILES.
55 0055 1 Add performance enhancement that cuts down on the number
56 0056 1 of RMS $OPEN's and $CLOSE's that must be done to purge
57 0057 1 a file.
```


PURGE
V04-000

K 10
15-Sep-1984 23:39:44
14-Sep-1984 12:18:48

VAX-11 Bliss-32 V4.0-742
DISK&VMSMASTER:[DELETE.SRC]PURGE.B32;1
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(1)

58 0058 1
59 0059 1
60 0060 1
61 0061 1
62 0062 1
63 0063 1
64 0064 1
65 0065 1
66 0066 1
67 0067 1
68 0068 1
69 0069 1
70 0070 1
71 0071 1
72 0072 1
73 0073 1
74 0074 1
75 0075 1
76 0076 1
77 0077 1
78 0078 1
79 0079 1
80 0080 1
81 0081 1
82 0082 1
83 0083 1
84 0084 1 --

V03-004 SHZ0006 Stephen H. Zalewski 25-Feb-1983
If PURGE command was issued on ODS-2 disk, do not cache the
filenames before attempting to delete the files.

V03-003 SHZ0005 Stephen H. Zalewski, 4-Nov-1982 15:42
Modify PURGE to use common command qualifier package.

V03-002 SHZ0004 Stephen H. Zalewski, 26-Aug-1982 22:19
Fix bug in SHZ0003 that caused PURGE to ACCVIO if you purged
an empty directory. Also fixed bug that caused 'No files
purged' message to be printed even when files were purged.

Fix bug introduced in SHZ0003 that prevented dangling directory
entries from being deleted if the PURGE comand was issued
with /LOG qualifier.

Finally, if a file is opened because of /SINCE, /BEFORE or
/LOG qualifiers being present, leave it open until we actually
delete it to optimize the number of FAL jobs necessary to do
the job in case we are doing this over the net.

V03-001 SHZ0003 Stephen H. Zalewski, 10-Aug-1982 21:24
Clean up error handling. Modified routines to use new CLI.
Made PURGE/LOG also display size of file purged.

86	0085	1	LIBRARY 'SYSS\$LIBRARY:STARLET.L32';	! VAX/VMS common definitions
87	0086	1	REQUIRE 'SRC\$:DELETE.REQ';	! Common DELETE definitions
88	0192	1		
89	0193	1		
90	0194	1	FORWARD ROUTINE	
91	0195	1	purge_files,	! Main directory routine
92	0196	1	build_list : NOVALUE,	! Process each wildcard file for ods-1 disk
93	0197	1	purge_ods1_directory : NOVALUE,	! Purge versions for a directory
94	0198	1	purge_ods2_files : NOVALUE,	! Purge files for ODS-2 disk.
95	0199	1	purge_this_file : NOVALUE;	! Routine to delete a file.
96	0200	1		
97	0201	1		
98	0202	1	EXTERNAL ROUTINE	
99	0203	1	del\$search_error : NOVALUE,	! Report open/search error.
100	0204	1	del\$file_error : NOVALUE,	! Report RMS error messages
101	0205	1	lib\$file_scan,	! Search wildcard specifications
102	0206	1	lib\$set_erase,	! Mark file for erase-on-delete
103	0207	1	lib\$cvd_dtb,	! Convert decimal string to binary
104	0208	1	lib\$get_vm,	! Allocate dynamic storage
105	0209	1	lib\$free_vm,	! Deallocate dynamic storage
106	0210	1	lib\$qual_file_match;	! Check to see if file should be purged.
107	0211	1		
108	0212	1		
109	0213	1	EXTERNAL	
110	0214	1	scan_context,	
111	0215	1	del\$cli_status: \$BBLOCK,	! CLI qualifier bitmap
112	0216	1	del\$keepver_val,	! Number of versions to save
113	0217	1	del\$files_deleted,	! Number of files purged
114	0218	1	del\$file_size,	! Size of file being deleted
115	0219	1	del\$blocks_deleted,	! Number of blocks released
116	0220	1	del\$context,	! Context longword for common qualifier package.
117	0221	1	lib\$quipro,	! Return status code from common qualifier package.
118	0222	1	lib\$_filfaimat;	! Return status code from common qualifier package.
119	0223	1		
120	0224	1		
121	0225	1	GLOBAL	
122	0226	1	version_list : INITIAL(0);	! Address of linked list of versions
123	0227	1		
124	0228	1	OWN	
125	0229	1	versions : INITIAL(0),	! Number of versions seen so far
126	0230	1	prev_name_len : INITIAL(0),	! Length of previous name & type
127	0231	1	prev_name : VECTOR [nam\$c_maxrss,BYTE],	! Buffer to hold previous name/type
128	0232	1	prev_dir_len : INITIAL(0),	! Length of previous directory
129	0233	1	prev_dir : VECTOR [nam\$c_maxrss,BYTE];	! Buffer for previous directory
130	0234	1		

```
0235 1 GLOBAL ROUTINE purge_files (fab_block) =
0236 1
0237 1 ++
0238 1 Functional description
0239 1
0240 1 This routine performs all the main processing of the
0241 1 PURGE command. The command line has already been parsed
0242 1 and the qualifier values saved.
0243 1
0244 1 Calling sequence
0245 1
0246 1 purge_files(fab) from the DELETE command mainline code
0247 1
0248 1 Input parameters
0249 1
0250 1 fab_block = Address of FAB with FNA, FNS filled in.
0251 1
0252 1 Output parameters
0253 1
0254 1 None
0255 1
0256 1 Routine value
0257 1
0258 1 Status.
0259 1 ----
0260 1
0261 1 BEGIN
0262 1
0263 1 MAP
0264 1 fab_block: REF $BBLOCK; ! Address of FAB block
0265 1
0266 1 BIND
0267 1 nam_block = .fab_block [fab$l_nam]: $BBLOCK; ! Address of NAM block
0268 1
0269 1 LOCAL
0270 1 status,
0271 1 devnam_desc : VECTOR[2],
0272 1 itmlst : VECTOR[4,LONG],
0273 1 buffer : INITIAL(0);
0274 1
0275 1 IF ((NOT . $BBLOCK[fab_block [fab$l_dev], dev$v_dir])
0276 1 AND (NOT . $BBLOCK[fab_block [fab$l_dev], dev$v_net])) ! If not a directory device,
0277 1 THEN ! and not a network device
0278 1 RETURN false;
0279 1
0280 1 IF (NOT . $BBLOCK[fab_block [fab$l_dev], dev$v_net]) ! If not a network device
0281 1 THEN ! then check to see if
0282 1 BEGIN ! we are purging an ODS-2 disk.
0283 1 devnam_desc[0] = .nam_block[nam$b_dev];
0284 1 devnam_desc[1] = .nam_block[nam$l_dev];
0285 1 itmlst[0,16] = 4;
0286 1 itmlst[16,16] = dev$v_acptype;
0287 1 itmlst[1] = buffer;
0288 1 itmlst[2] = 0;
0289 1 itmlst[3] = 0;
0290 1 status = $GETDVIW (DEVNAM = devnam_desc,
0291 1 ITMLST = itmlst);
```


PURGE
V04-000

N 10
15-Sep-1984 23:39:44
14-Sep-1984 12:18:48

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DISK\$VMSMASTER:[DELETE.SRC]PURGE.B32;1 Page 5 (3)

```

: 189      0292      3      IF NOT .status
: 190      0293      3      THEN
: 191      0294      3      SIGNAL_STOP (.status);
: 192      0295      3      END;
: 193      0296      3
: 194      0297      3      IF .buffer EQL dvi$c_acp_f11v2
: 195      0298      3      THEN purge_ods2_files (.fab_block)
: 196      0299      3      ELSE build_list(.fab_block);
: 197      0300      3
: 198      0301      3      RETURN true;
: 199      0302      3      END;

```

```

! If this is an ODS-2 disk
! then use optimized purge routine
! else, use old one.

```

.TITLE PURGE
.IDENT \V04-000\

.PSECT \$OWNS\$,NOEXE,2

00000000 00000 VERSIONS:

00000000 00004 PREV_NAME .LONG 0
00000000 00008 PREV_NAME .LONG 0
00000000 00107 .BLKB 255
00000000 00108 PREV_DIR .BLKB 1
00000000 0010B PREV_DIR .LONG 0
00000000 0010C PREV_DIR .LONG 0
00000000 0010C PREV_DIR .BLKB 255

.PSECT \$GLOBALS\$,NOEXE,2

00000000 00000 VERSION_LIST::
.LONG 0

.EXTRN DEL\$SEARCH_ERROR
.EXTRN DEL\$FILE_ERROR, LIB\$FILE_SCAN
.EXTRN LIB\$SET_ERASE, LIB\$CVT_DTB
.EXTRN LIB\$GET_VM, LIB\$FREE_VM
.EXTRN LIB\$QUAL_FILE_MATCH
.EXTRN SCAN_CONTEXT, DEL\$CLI_STATUS
.EXTRN DEL\$KEEPVER_VAL
.EXTRN DEL\$FILES_DELETED
.EXTRN DEL\$FILE_SIZE, DEL\$BLOCKS_DELETED
.EXTRN DEL\$CONTEXT, LIB\$QUIPRO
.EXTRN LIB\$_FILFAIMAT, SYS\$GETDVIW

.PSECT \$CODE\$,NOWRT,2

.ENTRY PURGE_FILES, Save R2
SUBL2 #24, SP
MOVL FAB_BLOCK, R2
MOVL 40(R2), R0
CLRL BUFFER
BBS #3, 64(R2), 1\$
BBS #5, 65(R2), 2\$
BRB 5\$

```

                                0004 00000
                                18 C2 00002
                                5E      04 AC D0 00005
                                52      28 A2 D0 00009
                                50      7E D4 0000D
07      40 A2      03 E0 0000F
3F      41 A2      05 E0 00014
                                56 11 00019

```

```

: 0235
:
: 0267
:
: 0275
: 0276
: 0278

```

PURGE
V04-000

B 11
15-Sep-1984 23:39:44
14-Sep-1984 12:18:48

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[DELETE.SRC]PURGE.B32;1
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38	41	A2		05	E0	0001B	1\$:	BBS	#5, 65(R2), 2\$..	0280
	14	AE		A0	9A	00020		MOVZBL	57(R0), DEVNAM_DESC	..	0283
	18	AE		A0	D0	00025		MOVL	68(R0), DEVNAM_DESC+4	..	0284
	04	AE	00420004	BF	D0	0002A		MOVL	#4325380, ITMLST	..	0285
	08	AE		6E	9E	00032		MOVAB	BUFFER, ITMLST+4	..	0287
				7E	7C	00036		CLRQ	ITMLST+8	..	0288
			0C	7E	7C	00039		CLRQ	-(SP)	..	0291
				7E	7C	0003B		CLRQ	-(SP)	..	
			14	AE	9F	0003D		PUSHAB	ITMLST	..	
			28	AE	9F	00040		PUSHAB	DEVNAM_DESC	..	
				7E	7C	00043		CLRQ	-(SP)	..	
00000000G	00			08	FB	00045		CALLS	#8, SYSSGETDVIW	..	0292
	09			50	E8	0004C		BLBS	STATUS, 2\$..	0294
00000000G	00			50	DD	0004F		PUSHL	STATUS	..	
	02			01	FB	00051		CALLS	#1, LIB\$STOP	..	
				6E	D1	00058	2\$:	CMPL	BUFFER, #2	..	0297
				09	12	0005B		BNEQ	3\$..	
				52	DD	0005D		PUSHL	R2	..	0298
0000V	CF			01	FB	0005F		CALLS	#1, PURGE_ODS2_FILES	..	
				07	11	00064		BRB	4\$..	
				52	DD	00066	3\$:	PUSHL	R2	..	0299
0000V	CF			01	FB	00068		CALLS	#1, BUILD_LIST	..	
	50			01	D0	0006D	4\$:	MOVL	#1, R0	..	0301
					04	00070		RET		..	
				50	D4	00071	5\$:	CLRL	R0	..	0302
					04	00073		RET		..	

; Routine Size: 116 bytes, Routine Base: \$CODE\$ + 0000

; 200 0303 1


```
202 0304 1 ROUTINE build_list (fab_block): NOVALUE =
203 0305 1
204 0306 1 ---
205 0307 1
206 0308 1 Functional description
207 0309 1
208 0310 1 This routine is called as an action routine from the directory wildcard
209 0311 1 searching process. It is given a FAB containing the full name
210 0312 1 of the file to be processed. It is used when purging an ods-1 disk to
211 0313 1 build the filenames into an ods-2 list.
212 0314 1
213 0315 1 Input parameters
214 0316 1
215 0317 1 fab_block = Address of FAB
216 0318 1
217 0319 1 Output parameters
218 0320 1
219 0321 1 None
220 0322 1
221 0323 1 ----
222 0324 1
223 0325 2 BEGIN
224 0326 2
225 0327 2 MAP
226 0328 2 fab_block: REF $BBLOCK; ! Address of FAB
227 0329 2
228 0330 2 BIND
229 0331 2 nam = .fab_block [fab$l_nam]: $BBLOCK; ! Address of NAM
230 0332 2
231 0333 2 LOCAL
232 0334 2 status, ! Status code
233 0335 2 dir_len, ! Length of device/directory
234 0336 2 version, ! Version number in binary form
235 0337 2 length, ! Length of new version entry
236 0338 2 entry: REF VECTOR, ! Address of new version entry
237 0339 2 prev: REF VECTOR, ! Address of previous entry scanned
238 0340 2 curr: REF VECTOR; ! Address of current entry scanned
239 0341 2
240 0342 2
241 0343 2 ! If we have reached a new directory, then peruse the linked
242 0344 2 list of versions and delete the all but the # explicitly kept.
243 0345 2
244 0346 2
245 0347 2 dir_len = .nam [nam$b_node] + .nam [nam$b_dev] + .nam [nam$b_dir];
246 0348 2
247 0349 2 IF CH$NEQ( ! If new directory
248 0350 2 .prev_dir_len, prev_dir,
249 0351 2 .dir_len, .nam [nam$l_rsa], 0)
250 0352 2 THEN
251 0353 2 BEGIN
252 0354 2 CH$MOVE(.dir_len, .nam [nam$l_rsa], prev_dir);
253 0355 2 prev_dir_len = .dir_len;
254 0356 2 purge_ods1_directory(version_list); ! Delete old versions
255 0357 2 END;
256 0358 2
257 0359 2
258 0360 2 ! Convert the version string to binary form
```

```
259 0361 !
260 0362
261 0363 status = LIB$CVT_DTB(.nam [nam$b_ver]-1, ! Store version in binary
262 0364 .nam [nam$l_ver]+1,
263 0365 version);
264 0366 IF NOT .status ! If error converting value,
265 0367 THEN
266 0368 BEGIN
267 0369 SIGNAL(.status); ! signal the error
268 0370 RETURN;
269 0371 END;
270 0372
271 0373
272 0374 ! Add this version to the ordered linked list of files for this directory.
273 0375 ! This list is ordered first by file name & type in ascending order, and
274 0376 ! then by version in descending order (this is the same as ODS-2).
275 0377
276 0378
277 0379 length = 6*4 + .nam [nam$b_rsl]; ! Length of overhead plus filespec
278 0380 status = LIB$GET_VM(length,entry); ! Allocate storage for entry
279 0381 IF NOT .status ! If error allocating storage,
280 0382 THEN
281 0383 SIGNAL_STOP(.status); ! then signal the error
282 0384
283 0385 entry [1] = .nam [nam$b_name] + .nam [nam$b_type]; ! Length of name/type
284 0386 entry [2] = entry [6]; ! Address of name/type
285 0387 + (.nam [nam$l_name] - .nam [nam$l_rsa]);
286 0388 entry [3] = .version; ! Store binary version number
287 0389 entry [4] = .nam [nam$b_rsl]; ! Store length of filespec
288 0390 entry [5] = entry [6]; ! and address of filespec
289 0391 CH$MOVE(.nam [nam$b_rsl], .nam [nam$l_rsa], entry [6]); ! Store full filespec
290 0392
291 0393 prev = version list; ! Address of previous entry
292 0394 curr = .prev [0]; ! Start at first entry
293 0395
294 0396 WHILE .curr NEQ 0 ! For each entry in list,
295 0397 DO
296 0398 BEGIN
297 0399 LOCAL comparison; ! -1 if less, 0 if equal, 1 if greater
298 0400 comparison = CH$COMPARE(.entry [1], .entry [2],
299 0401 .curr [1], .curr [2], 0); ! Compare new to old name/type
300 0402 IF .comparison LSS 0 ! If found place to insert entry,
301 0403 OR (.comparison EQL 0 ! (ascending order by name/type,
302 0404 AND .entry [3] GTRU .curr [3]) ! (then descending order by version)
303 0405 THEN
304 0406 EXITLOOP; ! then exit the loop
305 0407 prev = .curr; ! Save address of previous entry done
306 0408 curr = .curr [0]; ! and link to next in list
307 0409 END;
308 0410
309 0411 entry [0] = .prev [0]; ! Make new entry point to next in list
310 0412 prev [0] = .entry; ! Make previous entry point to new one
311 0413
312 0414 RETURN;
313 0415
314 0416 END;
```

				01FC 00000 BUILD_LIST:				
			58	0000'	CF 9E 00002	WORD	Save R2,R3,R4,R5,R6,R7,R8	0304
			5E		0C C2 00007	MOVAB	PREV_DIR_LEN, R8	
			50	04	AC D0 0000A	SUBL2	#12, SP	0331
			57	28	A0 D0 0000E	MOVL	FAB BLOCK, R0	
			50	38	A7 9A 00012	MOVL	40(R0), R7	0347
			51	39	A7 9A 00016	MOVZBL	56(R7), R0	
			50		51 C0 0001A	MOVZBL	57(R7), R1	
			56	3A	A7 9A 0001D	ADDL2	R1, R0	
			56		50 C0 00021	MOVZBL	58(R7), DIR_LEN	
56	00	04	A8		68 2D 00024	ADDL2	R0, DIR_LEN	
				04	B7 13 0002A	CMPC5	PREV_DIR_LEN, PREV_DIR, #0, DIR_LEN, 24(R7)	0349
					12 13 0002C	BEQL	18	
04	A8	04	B7		56 28 0002E	MOVCS	DIR_LEN, 24(R7), PREV_DIR	0354
			68		56 D0 00034	MOVL	DIR_LEN, PREV_DIR_LEN	0355
		0000V	CF	0000'	CF 9F 00037	PUSHAB	VERSION_LIST	0356
					01 FB 0003B	CALLS	#1, PURGE_ODS1_DIRECTORY	
					5E DD 00040	PUSHL	SP	0363
	7E	54	A7		01 C1 00042	ADDL3	#1, 84(R7), -(SP)	0364
			7E	3D	A7 9A 00047	MOVZBL	61(R7), -(SP)	0365
					6E D7 0004B	DECL	(SP)	
		00000000G	00		03 FB 0004D	CALLS	#3, LIB\$CVT_DTB	
			52		50 D0 00054	MOVL	R0, STATUS	
			0A		52 E8 00057	BLBS	STATUS, 28	0366
					52 DD 0005A	PUSHL	STATUS	0369
		00000000G	00		01 FB 0005C	CALLS	#1, LIB\$SIGNAL	
					04 00063	RET		0368
		08	AE	03	A7 9A 00064	MOVZBL	3(R7), LENGTH	0379
		08	AE		18 C0 00069	ADDL2	#24, LENGTH	
				04	AE 9F 0006D	PUSHAB	ENTRY	0380
				0C	AE 9F 00070	PUSHAB	LENGTH	
		00000000G	00		02 FB 00073	CALLS	#2, LIB\$GET_VM	
			52		50 D0 0007A	MOVL	R0, STATUS	
			09		52 E8 0007D	BLBS	STATUS, 38	0381
					52 DD 00080	PUSHL	STATUS	0383
		00000000G	00		01 FB 00082	CALLS	#1, LIB\$STOP	
			56	04	AE D0 00089	MOVL	ENTRY, R6	0385
			50	3B	A7 9A 0008D	MOVZBL	59(R7), R0	
			51	3C	A7 9A 00091	MOVZBL	60(R7), R1	
04	A6		50		51 C1 00095	ADDL3	R1, R0, 4(R6)	
	50		A7	04	A7 C3 0009A	SUBL3	4(R7), 76(R7), R0	0387
		4C	A6	18	A046 9E 000A0	MOVAB	24(R0[R6]), 8(R6)	
		08	A6		6E D0 000A6	MOVL	VERSION, 12(R6)	0388
		0C	A6	03	A7 9A 000AA	MOVZBL	3(R7), 16(R6)	0389
		10	A6	18	A6 9E 000AF	MOVAB	24(R6), 20(R6)	0390
		14	A6	03	A7 9A 000B4	MOVZBL	3(R7), R0	0391
			50		50 28 000B8	MOVCS	R0, 24(R7), 24(R6)	
18	A6	04	B7	0000'	CF 9E 000BE	MOVAB	VERSION_LIST, PREV	0393
			57		67 D0 000C3	MOVL	(PREV), CURR	0394
			54		28 13 000C6	BEQL	78	0396
					01 D0 000C8	MOVL	#1, R5	0400
04	A4	00	B6	04	A6 2D 000CB	CMPC5	4(R6), 28(R6), #0, 4(CURR), 28(CURR)	

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DISKSVMSMASTER:[DELETE.SRC]PURGE.B32;1 (4)

		08	B4	000D3		BGTRU	58			
			03	1A	000D5		SBWC	#1, R5		
	55		01	D9	000D7		MOVL	R5, COMPARISON		
	50		55	D0	000DA	58:	BLSS	78		0402
			11	19	000DD		BNEQ	68		0403
			07	12	000DF		CPL	12(R6), 12(CURR)		0404
DC	A4	OC	A6	D1	000E1		BGTRU	78		
			08	1A	000E6		MOVL	CURR, PREV		0407
	57		54	D0	000EB	68:	(CURR), CURR			0408
	54		64	D0	000EB		BRB	48		0396
			D6	11	000EE		MOVL	(PREV), (R6)		0411
	66		67	D0	000F0	78:	MOVL	R6, (PREV)		0412
	67		56	D0	000F3		RET			0416
				04	000F6					

; Routine Size: 247 bytes, Routine Base: SCODES + 0074

```
0417 GLOBAL ROUTINE purge_ods1_directory (list) : NOVALUE =
0418
0419
0420 Functional description:
0421
0422 This routine purges all versions beyond the number explicitly kept for
0423 an ods-1 directory.
0424
0425 Inputs:
0426
0427 list = Address of listhead of version list
0428 0) link to next entry
0429 1-2) descriptor of file name & type
0430 3) version number in binary
0431 4-5) descriptor of filespec
0432 6) File specification follows
0433
0434 Outputs:
0435
0436 None, the old versions are deleted.
0437
0438
0439 BEGIN
0440
0441 BIND context = .del$context : BITVECTOR[32];
0442
0443 OWN
0444 nam: $NAM(), ! NAM used for deleting open files
0445 xabpro: $XABPRO(), ! XAB needed for common qualifiers package
0446 xabdat: $XABDAT(NXT = xabpro), ! XAB needed for common qualifiers package
0447 fab: $FAB(NAM = nam, ! FAB used for deleting versions
0448 XAB = xabdat); ! Chain XAB's to FAB.
0449
0450 LOCAL
0451 status,
0452 prev_name: VECTOR [2], ! Descriptor of previous name & type
0453 prev_buffer: VECTOR [nam$_maxrss,BYTE], ! Buffer to hold previous name/type
0454 length, ! Length of current entry
0455 entry: REF VECTOR, ! Current entry in list
0456 next; ! Next entry in list
0457
0458
0459 prev_name [0] = 0; ! Initialize previous name/type = null
0460 entry = ..list; ! Start at first entry in list
0461
0462 WHILE .entry NEQ 0 ! For each entry in list,
0463 DO
0464 BEGIN
0465 IF CHSNEQ(.prev_name [0], .prev_name [1],
0466 .entry [1], .entry [2], 0) ! If new file name & type,
0467 THEN
0468 BEGIN
0469 versions = 0; ! Reset number of versions seen
0470 context[0] = 0; ! Prevent confirm message.
0471 prev_name [0] = .entry [1]; ! Save "current" name & type
0472 prev_name [1] = prev_buffer;
0473 CHSMOVE(.entry [1], .entry [2], .prev_name [1]);
```

```

373 0474      END;
374 0475
375 0476      fab [fab$b_fns] = .entry [4];      ! Copy length and address
376 0477      fab [fab$l_fna] = .entry [5];      ! of string into FAB and
377 0478      nam [nam$b_rsl] = .entry [4];      ! NAM blocks.
378 0479      nam [nam$l_rsa] = .entry [5];
379 0480
380 0481      purge_this_file(fab);
381 0482
382 0483      !
383 0484      Delete the storage used for this version entry
384 0485
385 0486
386 0487      next = .entry [0];
387 0488      length = 6*4 + .entry [4];
388 0489      status = LIB$FREE_VM(length,entry);
389 0490      IF NOT .status
390 0491      THEN
391 0492          SIGNAL(.status);
392 0493      entry = .next;
393 0494      END;
394 0495
395 0496      .list = 0;
396 0497
397 0498      ! Re-init listhead
      END;

```

```

.PSECT $OWN$,NOEXE,2
      02 0020B NAM: .BLKB 1
      60 0020C .BYTE 2
      00 0020D .BYTE 96
      00 0020E .BYTE 0
      00 0020F .BYTE 0
00000000 00210 .LONG 0
      00 00214 .BYTE 0
      00 00215 .BYTE 0
      00 00216 .BYTE 0
      00 00217 .BYTE 0
00000000 00218 .LONG 0
00000000 0021C .LONG 0
      0000# 00220 .WORD 0[8]
      0000# 00230 .WORD 0[3]
      0000# 00236 .WORD 0[3]
00000000 0023C .LONG 0
00000000 00240 .LONG 0
      00 00244 .BYTE 0
      00 00245 .BYTE 0
      00 00246 .BYTE 0
      00 00247 .BYTE 0
      00 00248 .BYTE 0
      00 00249 .BYTE 0
      00# 0024A .BYTE 0[2]
00000000 0024C .LONG 0
00000000 00250 .LONG 0
00000000 00254 .LONG 0

```


PURGE
V04-000

11
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DISK8VMSMASTER:[DELETE.SRC]PURGE.032;1
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```
00000000 00258 .LONG 0
00000000 0025C .LONG 0
00000000 00260 .LONG 0
00000000# 00264 .LONG 0[2]
13 0026C XABPRO: .BYTE 19
58 0026D .BYTE 88
0000 0026E .WORD 0
00000000 00270 .LONG 0
FFF 00274 .WORD -1
00 00276 .BYTE 0
00 00277 .BYTE 0
0000 0000 00278 .WORD 0, 0
00 0027C .BYTE 0
00 0027D .BYTE 0
0000 0027E .WORD 0
00000000 00280 .LONG 0
00000000 00284 .LONG 0
0000 00288 .WORD 0
0000 0028A .WORD 0
00000000 0028C .LONG 0
00000000 00290 .LONG 0
00000000 00294 .BLKB 48
12 002C4 XABDAT: .BYTE 18
2C 002C5 .BYTE 44
0000 002C6 .WORD 0
00000000 002C8 .ADDRESS XABPRO
0000 002CC .WORD 0
0000 002CE .WORD 0
00000000# 002D0 .LONG 0[2]
00000000# 002D8 .LONG 0[2]
00000000 002E0 .LONG 0
00000000 002E4 .LONG 0
00000000# 002E8 .LONG 0[2]
03 002F0 FAB: .BYTE 3
50 002F1 .BYTE 80
0000 002F2 .WORD 0
00000000 002F4 .LONG 0
00000000 002F8 .LONG 0
00000000 002FC .LONG 0
00000000 00300 .LONG 0
0000 00304 .WORD 0
02 00306 .BYTE 2
00 00307 .BYTE 0
00000000 00308 .LONG 0
00 0030C .BYTE 0
00 0030D .BYTE 0
00 0030E .BYTE 0
02 0030F .BYTE 0
00000000 00310 .LONG 0
00000000 00314 .ADDRESS XABDAT
00000000 00318 .ADDRESS NAM
00000000 0031C .LONG 0
00000000 00320 .LONG 0
00 00324 .BYTE 0
00 00325 .BYTE 0
0000 00326 .WORD 0
00000000 00328 .LONG 0
```

```

0000 0032C .WORD 0
00 0032E .BYTE 0
00 0032F .BYTE 0
00000000 00330 .LONG 0
00000000 00334 .LONG 0
0000 00338 .WORD 0
00 0033A .BYTE 0
00 0033B .BYTE 0
00000000 0033C .LONG 0

```

```

                                .PSECT $CODE$,NOWRT,2
                                .ENTRY PURGE_ODS1_DIRECTORY, Save R2,R3,R4,R5,R6,-
                                R7,R8,R9
04 A6      00      FC      BD      F8      08      18      13      00002
                                5E      FEF4      CE      9E      00007
59 00000000G 00      D0      0000E
                                F8      AD      D4      00011
                                04      BC      DD      00014
                                56      6E      D0      00017
                                6E      13      00019
04 A6      00      FC      BD      F8      08      2D      00021
                                08      B6      13      00023
                                0000'  CF      D4      00025
                                69      01      8A      00029
                                F8      AD      04      A6      D0      0002C
                                FC      AD      08      AE      9E      00031
                                08      B6      04      A6      28      00036
FC BD      0000'  CF      10      A6      90      0003D 2$:
                                0000'  CF      14      A6      D0      00043
                                0000'  CF      10      A6      90      00049
                                0000'  CF      14      A6      D0      0004F
                                0000'  CF      01      9F      00055
                                0000V CF      01      FB      00059
                                57      66      D0      0005E
04 AE      10      A6      18      C1      00061
                                5E      DD      00067
                                DB      AE      9F      00069
                                00      02      FB      0006C
                                58      50      D0      00073
                                09      58      E8      00076
                                58      DD      00079
                                00      01      FB      0007B
                                6E      57      D0      00082 3$:
                                8D      11      00085
                                04      BC      D4      00087 4$:
                                04      0008A
                                RET

```

; Routine Size: 139 bytes, Routine Base: \$CODE\$ + 016B

```
0499 1 ROUTINE purge_ods2_files (fab_block) : NOVALUE =
0500
0501 1++
0502 1 Functional description:
0503 1
0504 1 This routine purges all versions beyond the number explicitly kept for
0505 1 an ods-2 disk.
0506 1
0507 1 Inputs:
0508 1
0509 1 fab_block = Address of FAB
0510 1
0511 1 Outputs:
0512 1
0513 1 --- None, the old versions are deleted.
0514 1
0515 1
0516 1 BEGIN
0517 1
0518 1 MAP
0519 1 fab_block : REF $BBLOCK; ! Address of FAB
0520 1
0521 1 BIND
0522 1 context = .del$context : BITVECTOR[32]; ! Context bitmap for common qualifier package.
0523 1 nam = .fab_block [fab$l_nam] : $BBLOCK; ! Address of NAM block.
0524 1
0525 1 LOCAL
0526 1 name_len; ! Size of a filename.
0527 1
0528 1
0529 1 name_len = .nam [nam$b_node] + .nam [nam$b_dev] + .nam [nam$b_dir] +
0530 1 .nam [nam$b_name] + .nam [nam$b_type];
0531 1
0532 1 IF CH$NEQ( ! If new device, directory, name or type
0533 1 .prev_name_len, prev_name,
0534 1 .name_len, .nam [nam$l_rsa], 0)
0535 1 THEN ! Then
0536 1 BEGIN
0537 1 CH$MOVE(.name_len, .nam [nam$l_rsa], prev_name); ! Save new file spec,
0538 1 prev_name_len = .name_len; ! and its size.
0539 1 versions = 1; ! Reset the version count.
0540 1 context[0] = 0; ! Disable /CONFIRM.
0541 1 RETURN;
0542 1 END
0543 1 ELSE
0544 1 purge_this_file(.fab_block); ! Attempt to purge this file.
0545 1
0546 1 END;
```

01FC 00000 PURGE_ODS2 FILES:

```
58 0000' CF 9E 00002 .WORD Save R2,R3,R4,R5,R6,R7,R8
57 00000000G 00 D0 00007 MOVAB PREV NAME_LEN, R8
MOVBL DEL$CONTEXT, R7
```

: 0499

: 0522

PURGE
V04-000

L 11
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56	00	04	55	04	AC	D0	0000E	MOVL	FAB_BLOCK, R5	0523
			54	28	A5	D0	00012	MOVL	40(R5), R4	
			50	38	A4	9A	00016	MOVZBL	56(R4), R0	0529
			51	39	A4	9A	0001A	MOVZBL	57(R4), R1	
			50		51	C0	0001E	ADDL2	R1, R0	
			51	3A	A4	9A	00021	MOVZBL	58(R4), R1	
			50		51	C0	00025	ADDL2	R1, R0	
			51	3B	A4	9A	00028	MOVZBL	59(R4), R1	0530
			50		51	C0	0002C	ADDL2	R1, R0	0529
			56	3C	A4	9A	0002F	MOVZBL	60(R4), NAME_LEN	0530
			56		50	C0	00033	ADDL2	R0, NAME_LEN	
			56		68	2D	00036	CMPC5	PREV_NAME_LEN, PREV_NAME, #0, NAME_LEN, -	0532
			A8	04	B4		0003C		24(R4)	
					11	13	0003E	BEQL	1\$	
	04	A8	04		56	28	00040	MOV3	NAME_LEN, 24(R4), PREV_NAME	0537
					56	D0	00046	MOVL	NAME_LEN, PREV_NAME_LEN	0538
		FC			01	D0	00049	MOVL	#1, VERSIONS	0539
					01	8A	0004D	BICB2	#1, (R7)	0540
						04	00050	RET		0536
					55	DD	00051	PUSHL	R5	0544
		0000V	CF		01	FB	00053	CALLS	#1, PURGE_THIS_FILE	
					04		00058	RET		0546

: Routine Size: 89 bytes. Routine Base: \$CODE\$ + 01F6

```
448 0547 1 ROUTINE purge_this_file (fab_block) : NOVALUE =
449 0548
450 0549
451 0550 1 **
452 0551 1 Functional description:
453 0552 1 This routine accepts a filename, and if it exceeds the /KEEP qualifier,
454 0553 1 attempts to delete the file.
455 0554
456 0555 1 Inputs:
457 0556 1 fab_block = Address of the FAB
458 0557
459 0558 1 Outputs:
460 0559 1 None, the file is deleted if /KEEP qualifier is exceeded.
461 0560
462 0561 1 ---
463 0562
464 0563
465 0564 BEGIN
466 0565
467 0566 MAP
468 0567     fab_block :          REF $BBLOCK;
469 0568
470 0569 BIND
471 0570     context = .del$context :      BITVECTOR[32],
472 0571     nam = .fab_block [fab$l_nam] : $BBLOCK,
473 0572     fab = .fab_block :           $BBLOCK;
474 0573
475 0574 LOCAL
476 0575     prompt_desc,          ! Address of prompt arguments
477 0576     name_desc : VECTOR[2], ! Descriptor for file name.
478 0577     status;
479 0578
480 0579     name_desc[0] = .nam[nam$b_rsl]; ! Save file name and size.
481 0580     name_desc[1] = .nam[nam$l_rsa]; ! Point prompt_desc to it.
482 0581     prompt_desc = name_desc;
483 0582
484 0583
485 0584 IF .del$cli_status [del$sv_log_msg] OR ! If /LOG requested,
486 0585     .del$cli_status [del$sv_open_file] ! or open_file bit set
487 0586 THEN
488 0587     BEGIN
489 0588         fab [fab$l_alq] = 0; ! Set block size of file to be zero because
490 0589         $OPEN (FAB = fab); ! Open the file.
491 0590         del$file_size = .fab [fab$l_alq]; ! Get block size of file.
492 0591     END;
493 0592
494 0593 IF .del$cli_status[del$sv_conf_prompt] ! If user said /CONFIRM, and
495 0594 AND (.versions EQL .del$keepver_val) ! we have exceeded /KEEP limit
496 0595 THEN context[0] = 1; ! then enable /CONFIRM option.
497 0596
498 0597 status = lib$qual_file_match( del$context, fab, 0, ! Does this file meet purge criteria?
499 0598     $descriptor('!AS, delete? [N]:'),
500 0599     prompt_desc, 0);
501 0600
502 0601 IF NOT .status ! If failure status returned.
503 0602 THEN
504 0603     BEGIN
```

```
0604 IF .status EQL lib$_quipro      ! If user said CNTRL/Z
0605 THEN                          ! then stop processing.
0606   del$cli_status [del$_cntrl_2_stop] = TRUE;
0607 IF (.status NEQ lib$_quipro) AND ! If user said CNTRL/Z
0608   (.status NEQ lib$_filformat)    ! or file did not meet criteria
0609 THEN                             ! then do not report an error.
0610   del$file_error(msg$_filnotacc,fab);
0611 $CLOSE ( FAB = fab);            ! Ask RMS to close the file.
0612 END
0613 ELSE
0614   versions = .versions + 1;      ! Increment versions seen
0615
0616 IF (.versions GTR .del$keepver_val) AND .status
0617 THEN                             ! If past specified limit,
0618   BEGIN                          ! then delete the file as we have exhausted
0619   IF .del$cli_status [del$_erase] ! the keep version count.
0620   THEN                           ! If /ERASE requested
0621   BEGIN
0622     $CLOSE (FAB = fab);          ! Close the file so that we can do it.
0623     status = lib$_set_erase (name_desc); ! Set ERASE bit in header.
0624     fab[fab$_sts] = .status;    ! and save the status.
0625     fab[fab$_stv] = 0;
0626   END;
0627
0628 IF .status
0629 THEN                             ! If successful so far,
0630   BEGIN
0631   IF .fab [fab$_ifl] NEQ 0
0632   THEN                           ! If the file is open,
0633   BEGIN
0634     fab [fab$_dlt] = TRUE;      ! then set the deletion bit,
0635     status = $CLOSE ( FAB = fab); ! and ask RMS to close and delete the file.
0636     fab [fab$_dlt] = FALSE;    ! Turn off the delete bit to avoid side effects.
0637   END
0638   ELSE
0639     status = $ERASE ( FAB = fab); ! Erase the file.
0640   END;
0641
0642 IF .status
0643 THEN                             ! If successful,
0644   BEGIN
0645   IF .del$cli_status [del$_log_msg] THEN ! If logging requested,
0646   BEGIN
0647     del$files_deleted = .del$files_deleted + 1; ! Increment number of files purged
0648     del$blocks_deleted = .del$blocks_deleted + .del$file_size; ! Increment total blocks deleted by t
0649     put_message(msg$_filpur,3,name_desc, ! Output log message
0650               .del$file_size);
0651   END;
0652   ELSE
0653     del$file_error(msg$_filnotpur,fab) ! Delete failed, output message giving reason
0654   END;
0655 $CLOSE (FAB=fab);
0656 END;
0657
0658 $CLOSE (FAB=fab);
0659
0660 END;
```


50	68	9E	0009C	4\$:	MOVAB	LIB\$ QUIPRO, R0	0607
50	53	D1	0009F		CMPL	STATUS, R0	
	17	13	000A2		BEQL	5\$	
50	00	9E	000A4		MOVAB	LIB\$ FILFAIMAT, R0	0608
50	53	D1	000AB		CMPL	STATUS, R0	
	0B	13	000AE		BEQL	5\$	
	52	DD	000B0		PUSHL	R2	0610
	8F	DD	000B2		PUSHL	#9638712	
69	02	FB	000B8		CALLS	#2, DEL\$FILE_ERROR	
	52	DD	000BB	5\$:	PUSHL	R2	0611
65	01	FB	000BD		CALLS	#1, SYSS\$CLOSE	
	02	11	000C0		BRB	7\$	0601
	6B	D6	000C2	6\$:	INCL	VERSIONS	0614
67	6B	D1	000C4	7\$:	CMPL	VERSIONS, DEL\$KEEPVER_VAL	0617
	73	15	000C7		BLEQ	11\$	
7D	53	E9	000C9		BLBC	STATUS, 13\$	
19	64	04	E1	000CC	BBC	#4, DEL\$CLI_STATUS, 8\$	0620
	52	DD	000D0		PUSHL	R2	0623
65	01	FB	000D2		CALLS	#1, SYSS\$CLOSE	
	AE	9F	000D5		PUSHAB	NAME_DESC	0624
00000000G	00	01	FB	000D8	CALLS	#1, LIB\$SET_ERASE	
	53	50	D0	000DF	MOVL	R0, STATUS	
08	A2	53	D0	000E2	MOVL	STATUS, 8(R2)	0625
	0C	A2	D4	000E6	CLRL	12(R2)	0626
52	53	E9	000E9	8\$:	BLBC	STATUS, 12\$	0629
	02	A2	B5	000EC	TSTW	2(R2)	0632
	14	13	000EF		BEQL	9\$	
05	A2	80	8F	88	BISB2	#128, 5(R2)	0635
	52	DD	000F6		PUSHL	R2	0636
65	01	FB	000F8		CALLS	#1, SYSS\$CLOSE	
53	50	D0	000FB		MOVL	R0, STATUS	
05	A2	80	8F	8A	BICB2	#128, 5(R2)	0637
	0C	11	00103		BRB	10\$	0632
	52	DD	00105	9\$:	PUSHL	R2	0640
00000000G	00	01	FB	00107	CALLS	#1, SYSS\$ERASE	
	53	50	D0	0010E	MOVL	R0, STATUS	
2A	53	E9	00111	10\$:	BLBC	STATUS, 12\$	0643
31	64	01	E1	00114	BBC	#1, DEL\$CLI_STATUS, 13\$	0646
	00	D6	00118		INCL	DEL\$FILES_DELETED	0648
	50	66	D0	0011E	MOVL	DEL\$FILE_SIZE, R0	0649
00000000G	00	50	C0	00121	ADDL2	R0, DEL\$BLOCKS_DELETED	
	50	DD	00128		PUSHL	R0	0651
	08	AE	9F	0012A	PUSHAB	NAME_DESC	
	03	DD	0012D		PUSHL	#3	
	8F	DD	0012F		PUSHL	#9638683	
00000000G	00	04	FB	00135	CALLS	#4, LIB\$SIGNAL	
	0B	11	0013C	11\$:	BRB	13\$	0643
	52	DD	0013E	12\$:	PUSHL	R2	0655
	8F	DD	00140		PUSHL	#9638448	
69	02	FB	00146		CALLS	#2, DEL\$FILE_ERROR	
	52	DD	00149	13\$:	PUSHL	R2	0658
65	01	FB	0014B		CALLS	#1, SYSS\$CLOSE	
	04	0014E			RET		0660

; Routine Size: 335 bytes, Routine Base: \$CODE\$ + 024F

PURGE
V04-000

0 12
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DISK\$VMSMASTER:[DELETE.SRC]PURGE.B32;1
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: 563 0661 1 END
: 564 0662 0 ELUDOM

.EXTRN LIB\$SIGNAL, LIB\$STOP

PSECT SUMMARY

Name	Bytes	Attributes
\$GLOBALS	4	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$OWNS	832	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODE\$	926	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$SPLITS	28	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_S255\$DUA28:[SYSLIB]STARLET.L32;1	9776	85	0	581	00:02.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:PURGE/OBJ=OBJ\$:PURGE MSRC\$:PURGE/UPDATE=(ENH\$:PURGE)

: 565 0663 0
: Size: 926 code + 864 data bytes
: Run Time: 00:44.7
: Elapsed Time: 00:55.1
: Lines/CPU Min: 890
: Lexemes/CPU-Min: 12378
: Memory Used: 147 pages
: Compilation Complete

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